

A PRELIMINARY ACCOUNT OF THE LEPIDOPTEROUS
FAUNA OF GUELT-ES-STEL, CENTRAL ALGERIA.

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(Continued from Vol. XXI. p. 357.)

PYRALIDAE

Crambinae

333. **Crambus saxonellus** Zinck.

Crambus saxonellus Zincken, *Germ. & Zinck. Mag. d. Entom.* iv. p. 255 (1821) (Europe).

1 ♂, August 8, 1913 (Victor Faroult).

334. **Ancylolomia hipponella** Rag.

Ancylolomia hipponella Ragonot, *Ann. Soc. Entom. France* (6) viii. p. 279. pl. 6. ff. 11, 13 (1888) (Bône).

5 ♂♂, 1 ♀ were sent in by Victor Faroult from September 1913.

Phycitinae

335. **Myelois fuscicostella** Mann

Myelois fuscicostella Mann, *Wien. Entom. Monatsch.* v. p. 183. t. 2. f. 10 (1861) (Amasia).

1 ♂, April 22, 1912, W. R. and K. J.

336. **Myelois cribrella** Hübn.

Myelois cribrella Hübner, *Samml. Europ. Schmett. Tin.* f. 67 (1827-41) (Europe).

2 ♂♂, 2 ♀♀, May 1913 (Victor Faroult).

337. **Pristarthria brephiella** (Staud.)

Salebria brephiella Standinger, *Hör. Soc. Entom. Ross.* xv. pp. 193, 194 (1880) (Macedonia).

1 ♂, W. R. and K. J., April 22, 1912.

338. **Myrtaea serratella** Rag.

Myrtaea serratella Ragonot, *Roman. Mém. Lépid.* vii. p. 399. pl. xv. f. 23 (1893) (Mardin).

1 ♂, April 22, 1912, W. R. and K. J.

339. **Bazaria expallidella** Rag.

Bazaria expallidella Ragonot, *Ann. Soc. Entom. France*, 1887. p. 234 (Tarcomenic).

1 ♂, April 17, 1912, W. R. and K. J.

340. **Caina micrella** Rag.

Caina micrella Ragonot, *Roman. Mém. Lépid.* vii. p. 465. pl. vi. f. 25 (1893) (India).

1 ♂, April 22, 1912, W. R. and K. J.

341. *Epischnia prodromella* Hübner.

Epischnia prodromella Hübner, *Samm. Europ. Schmett. Tin.* p. 254 (1827-41) (Europe).

We captured 4 ♂♂, two on April 15 and two on April 22, 1912, and Victor Faroult sent two ♂♂ from May 1913, 1 ♂ from November 1913, and 1 ♀ from August 1913.

342. *Epischnia illotella* Zeller.

Epischnia illotella Zeller, *Isis*, 1839, p. 178. No. 5 (Sicily).

1 ♂, April 21, 1912, W. R. and K. J.

343. *Epischnia boisduvaliella* Guen.

Epischnia boisduvaliella Guenée, *Int. Meth. Microlep. Eur.* p. 81 (1845) (Europe).

1 ♀, April 22, 1912, W. R. and K. J.

344. *Epischnia ragonotella* sp. nov.

♀. Antennae dark brown; head, thorax, and abdomen dark brown variegated with buffish white.

Forewing: dark olive-brown; costal area white from four-fifths of its length from base, the distal half of this white portion being powdered irregularly with olive-brown, basal fourth of inner margin white; a white bar runs in from inner margin towards cell one-third from base, a postdiscal white band from inner margin to vein 8, a subterminal white line from apex to vein 3.

Hindwing: semihyaline pale wood-grey, subterminal area darker.

Length of forewing: 9.5 mm.

Expanse: 21 mm.

1 ♀, April 21, 1912, W. R. and K. J.

Pyralinae

345. *Aglossa pinguinalis* (Linn.)

Phalaena pinguinalis Linnaeus, *Faun. Suec.* p. 351. No. 1350 (1761) (Sweden).

1 ♂, May 10, 1913 (Victor Faroult).

346. *Aglossa dimidiata* (Haw.)

Crambus dimidiatus Haworth, *Lepid. Brit.* p. 372. No. 19 (1810) (Britain).

1 ♂, October 18, 1912 (Victor Faroult).

347. *Ulotricha algerialis* Hampson.

Ulotricha algerialis Hampson, *Trans. Entom. Soc. Lond.* 1900, p. 377. No. 2, pl. iii. f. 18 (Biskra).

1 ♂, June 2, 1913 (Victor Faroult).

348. *Constantia canifusalis* Hampson.

Constantia canifusalis Hampson, *Trans. Entom. Soc. Lond.* 1900, p. 381, pl. iii. f. 16. No. 7b (Biskra).

2 ♂♂, August 1913 (Victor Faroult).

349. *Constantia faroulti* sp. nov.

♀. Antennae white closely ringed with grey-brown; palpi, head, thorax, and abdomen pale testaceous brown freckled with darker brown.

Forewing: testaceous brown, fawn-brown beyond postdiscal line; a dark-brown zigzag postbasal line, outer and upper part of disc with irregular white clouding, a strongly sinuated and angled postdiscal line edged outwardly with white.

Hindwing: testaceous brown; a whitish subterminal line, fringes of both wings irregularly chequered black and white.

Length of forewing: 13 mm.

Expanse: 30 mm.

2 ♀♀, July 30 and August 1, 1913 (Victor Faroult).

350. *Actenia brunnealis ocellata* subsp. nov.

♀. Differs from *b. brunnealis* by having at the end of cell a large ocellate ring instead of a dot.

1 ♀, September 3-7, 1912 (Dr. Nissen).

351. *Actenia gadesialis albolineata* subsp. nov.

♂. Differs from *g. gadesialis* in the pure white transverse lines of forewing.

1 ♂, May 13, 1913 (Victor Faronlt).

352. *Cledeobia bififormis* sp. nov.

♂. Antennae, head, and thorax rusty or sandy buff; abdomen yellowish brown-grey.

Forewing: rusty sandy buff slightly washed with pale olive-brown; four or five brown spots on costa, a black-brown antemedian band becoming less distinct in costal region, a postdiscal pale-brown line edged outwardly with yellow, a dark terminal line.

Hindwing: greyish testaceous brown with a pale postdiscal hair line.

♀. Antennae and head orange-buff; thorax black-brown freckled with greyish; abdomen pale wood-grey brown freckled with darker brown.

Forewing: sooty black-brown; a pale grey-buff oblique antemedian band, a sinuate grey-buff postmedian line.

Hindwing: basal half pale wood-grey, outer half dark wood-grey.

Length of forewing: ♂, 9 mm.; ♀, 9-11.5 mm.

Expanse: ♂, 23 mm.; ♀, 23-27 mm.

1 ♂, 4 ♀♀, August-September 1913 (Victor Faronlt), ♀ type.

353. *Cledeobia testacealis* sp. nov.

♂. Antennae pale whitish buff, pectinations brown; palpi, head, and thorax testaceous buff; abdomen buff.

Forewing: dark testaceous olive-buff; a sharply angled double antemedian band inwardly white, outwardly dark chocolate-brown, a postdiscal double band inwardly black-brown, outwardly white; between this postdiscal band and the point of the angle of the antemedian band is a white longitudinal bar along and across vein 2.

Hindwing: satiny whitish cream, edged and suffused on outer one-fifth with dark buff, a postdiscal olive-grey line from veins 2 to 5.

♀. Darker, more grey.

Length of forewing: ♂ 14.5–17 mm., ♀ 17 mm.

Expanse: ♂ 33–38 mm., ♀ 38 mm.

2 ♂♂, 1 ♀, May 1913 (Victor Faroult).

Pyraustinae

354. *Evergestis renatalis* (Oberth.)

Orohena renatalis Oberthür, *Bull. Soc. Entom. France*, 1887, p. xcix. (Bou Saada, etc.).

2 ♂♂, 10 ♀♀, April and May 1913 (Victor Faroult).

355. *Nomophila noctuella* (Schiff.)

Botys noctuella Schiffermüller, *System. Verz. Schmett. Wien*, p. 136 (1776) (Vienna).

2 ♂♂, 2 ♀♀, April 1912, W. R. and K. J.; 3 ♂♂, May 1913 (Victor Faroult).

356. *Mecyna gilvata* (Fabr.)

Phalaena gilvata Fabricius, *Ent. Syst.* iii. 2, p. 208. No. 296 (1794) (India Or.)

2 ♂♂, 2 ♀♀, July—August 1913 (Victor Faroult).

357. *Cynaeda dentalis* (Schiff.)

Pyralis dentalis Schiffermüller, *System. Verz. Schmett. Wien*, p. 120 (1776) (Vienna).

1 ♀, May 30, 1913 (Victor Faroult).

358. *Metasia mzabi* Rothschild.

Metasia mzabi Rothschild, *Nov. Zool.* xx, p. 141. No. 155 (1913) (Oued Nçça).

3 ♀♀, June, July, August 1913 (Victor Faroult).

359. *Pionea numeralis* (Hübner.)

Pyralis numeralis Hübner, *Samml. Europ. Schmett. Pyr.* f. 89 (1827–41) (Europe).

3 ♂♂, April 21, 1912, W. R. and K. J.; 1 ♂, 2 ♀♀, May, 1 ♀, October 1913 (Victor Faroult).

360. *Pyrausta arenicola* Hampson.

Pyrausta arenicola Hampson, *Ann. Mag. N. II.* (8) xii, p. 28 (1913) (Algeria).

1 ♂, May 25, 1913 (Victor Faroult).

361. *Pyrausta nubigena* sp. nov.

♀. Antennae brown; head and thorax wood-brown, collar buffy brown; abdomen greyish wood-brown.

Forewing: pale cinnamon-brown; basal two-thirds and outer one-fifth densely clouded with olive-wood-brown.

Hindwing: basal three-fourths semihyaline yellowish wood-grey, outer one-fourth olive-wood-brown.

Length of forewing: 12 mm.

Expanse: 28 mm.

1 ♀, September 4, 1913 (Victor Faronlt).

362. *Noctuelia simillella* sp. nov.

♂. Nearly allied to *N. allardalis* Oberth.

Differs on *forewing* in the antemedian line being oblique outwards from inner margin, in the postcellular stigma being larger and more dilute and in the post-discal band being oblique from apex to inner margin, **not** curved round to costa well before apex as in *allardalis*.

It also differs in the *hindwing* being bnff, not wood-grey.

Length of forewing: 14 mm.

Expanse: 31 mm.

1 ♂, October 31, 1913 (Victor Faronlt).

363. *Noctuelia desertalis* (Hübner).

Pyralis desertalis Hübner, *Samm. Europ. Schmett. Pyr.* f. 171 (1827-41) (Europe).

1 ♀, April 27, 1913 (Victor Faronlt).

The following is a list of the species of *Heterocera* taken by Dr. Nissen which were not obtained by us or by Victor Faronlt. I give the names as received from Dr. Nissen.

NOCTUIDAE

Euxoa cos Hübner, July 1913.

Euxoa signifera improcera Ersch., October 1912.

Euxoa hastifera Douz., October 1913.

Polia dysodea Schiff. (*chrysozona* Bkh.), September, October 1912, 1913.

Epia nisus Germ., March, April 1913.

Oligia literosa subarcta Stand., September 1912.

Eumichtis solieri Boisd., September, October 1912.

Leucochlaena hispidus Hübner, October 1913.

Margelana lenis Stand., October 1913.

Aporophila australis ingenua Frr., October 1913.

Athetis quadripuncta Fabr., April 1913.

Athetis germainii Dup., September, October 1912, 1913.

Enargia ulicis Stand., October 1913.

Amathes pistacina ab. *grisea* Trt., October 1913. (I did not record this by an oversight, as I have a number.)

Calophasia platyptera Esp., April 1912, 1914. (? Erroneous identification. I have seen only one *platyptera* from Hammam Rhira; all those from elsewhere in Algeria are *almoravida*.)

Cucullia oberthuri Rothsch., April, May 1912, 1914.

Chloridea armigera Hübner, April 1913.

Eublemma mozabtica Rothsch., April 1913.

GEOMETRIDAE

- Rhodostrophia calabraria* Zell., May, June 1912, 1913.
Psychopoda emutaria Hübn., April 1913.
Laurentia multipunctata Stand., November 1914.
Laurentia haasi Hedem., October 1913.
Tephroclystia mnemosynata Mill., October 1913.
Tephroclystia innotata tamariscata Frr., October 1912.
Tephroclystia variostrigata Alph., October 1912.
Chemerina caligmearia Rmbr., November 1912, March 1913.
Nychiodes lividaria andalusiaria Mill., April 1913.
Hemerophila solieraria powelli Oberth., April and October 1913.
Boarmia tenietaria Stand., April, August, and October 1913.
Gnopharmia colchidaria Ld., September 1912.
Gnophos obscuraria Hb., October 1912.
Gnophos dumetata daubearia Boisd., October 1912.
Selidosema erebaria Oberth., September 1912 and 1913.
Egea culminaria Ev., April and May 1913.
Phasiane binaevata Mab., October and November 1913 and 1914.
Phasiane partitaria Hübn., October 1912.

MEGALOPYGIDAE

- Somobrachys unicolor* Oberth., September 1913.

ZYGAENIDAE

- Ino pruni* Schiff. ? !, June 1913. (? ! *Ino cirtana* Lue.)
Ino notata Zell., May 1913.

PSYCHIDAE

- Amicta oberthuri* Heyl., August and September 1912 and 1913.

ERRATA—Nov. Zool. xxi.

p. 316: Sir George Hampson says that Nos. 61 and 62 are not *Centropodia*, but true *Euxoa*. See Errata, vol. xxi. p. viii.

p. 322, No. 104: *Polia trisagittata* is a very dark form of *Epia silenes* Hbn., and must stand as ***Epia silenes trisagittata*** Rothsch.

p. 338, No. 209 = *Eublemma virginalis* (Oberthür), *Étud. Entom.* vi. p. 90, pl. xi. f. 1 (1881) (Sebdou).
